

**STATEMENT CLAIMING SMALL ENTITY STATUS**  
**(37 CFR 1.9(f) & 1.27(c))--SMALL BUSINESS CONCERN**

Docket Number (Optional)  
ENZ-61

Applicant, Patentee, or Identifier: Jannis G. Stavrianopoulos et al.

Application or Patent No.: 10/096,075

Filed or Issued: March 12, 2002

Title: LABELING REAGENTS AND LABELED TARGETS, TARGET LABELING PROCESSES FOR USING SAME IN NUCLEIC ACID DETERMINATIONS AND ANALYSES

I hereby state that I am

- ☐ the owner of the small business concern identified below.  
☒ an official of the small business concern empowered to act on behalf of the concern identified below.

NAME OF SMALL BUSINESS CONCERN Enzo Life Sciences, Inc.

c/o Enzo Biochem, Inc.

ADDRESS OF SMALL BUSINESS CONCERN 527 Madison Avenue, 9th Floor, NY NY 10022

I hereby state that the above identified small business concern qualifies as a small business concern as defined in 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Trademark Office. Questions related to size standards for a small business concern may be directed to: Small Business Administration, Size Standards Staff, 409 Third Street, SW, Washington, DC 20416.

I hereby state that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

- ☐ the specification filed herewith with title as listed above.  
☒ the application identified above.  
☐ the patent identified above.

If the rights held by the above identified small business concern are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

- Each person, concern, or organization having any rights in the invention is listed below.  
☐ no such person, concern, or organization exists.  
☐ each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

NAME OF PERSON SIGNING Barry W. Weiner

TITLE OF PERSON IF OTHER THAN OWNER President

ADDRESS OF PERSON SIGNING Enzo Life Sciences, Inc.

c/o Enzo Biochem, Inc., 527 Madison Ave., 9th Fl., NY NY 10022

SIGNATURE [Signature] DATE February 3, 2003

**DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**LABELING REAGENTS AND LABELED TARGETS, TARGET LABELING PROCESSES AND OTHER PROCESSES FOR USING SAME IN NUCLEIC ACID DETERMINATIONS AND ANALYSES**

the specification of which

(check one) \_\_\_\_\_ is attached hereto.

  X   was filed on March 12, 2002, as U.S. Patent Application Serial No. 10/096,075

\_\_\_\_\_ and was amended on \_\_\_\_\_, 19\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37 Code of Federal Regulations § 1.119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s) Priority Claimed

|                   |                    |                                 |     |    |
|-------------------|--------------------|---------------------------------|-----|----|
| _____<br>(Number) | _____<br>(Country) | _____<br>(Day/Month/Year Filed) | Yes | No |
| _____<br>(Number) | _____<br>(Country) | _____<br>(Day/Month/Year Filed) | Yes | No |

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of the application:

|                                   |                        |  |
|-----------------------------------|------------------------|--|
| _____<br>(Application Serial No.) | _____<br>(Filing Date) | _____<br>(Status-patented, pending, abandoned) |
| _____<br>(Application Serial No.) | _____<br>(Filing Date) | _____<br>(Status-patented, pending, abandoned) |

Jannis G. Stavrianopoulos and Elazar Rabbani  
Serial No.: 10/096,075  
Filed: March 12, 2002  
Page 2 (Declaration for Patent Application)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Ronald C. Fedus, Esq., Reg. No. 32,567

Address all telephone calls to : Ronald C. Fedus, Esq. at telephone no. (212) 583-0100  
Address all correspondence to: Ronald C. Fedus, Esq., Corporation & Patent Counsel  
Enzo Life Sciences, Inc.  
c/o Enzo Biochem, Inc.  
527 Madison Avenue - 9th Floor  
New York, New York 10022

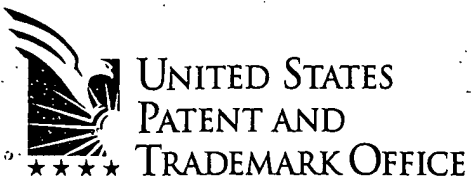
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

First name of sole or first inventor: Jannis G. Stavrianopoulos  
Second Inventor's signature: [Signature] Date 5/8/02  
Residence: 99 South Clinton Avenue, Apt. 10C, Bayshore, New York 11706 Citizenship: United States  
Post Office Address (Same as above): \_\_\_\_\_

First name of second inventors: Elazar Rabbani  
First Inventor's signature: [Signature] Date 5/14/2002  
Residence: 69 Fifth Avenue, Apt. 19A, New York, New York 10003 Citizenship: United States  
Post Office Address (Same as above): \_\_\_\_\_

.....

ENZ61Dec.050802



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R09-02-03D

AUGUST 28, 2003

ENZO LIFE SCIENCES, INC.  
C/O ENZO BIOCHEM, INC.  
RONALD C. FEDUS, ESQ.  
527 MADISON AVENUE, 9TH FLOOR  
NEW YORK, NY 10022

PTAS

Deputy Under Secretary of Commerce For Intellectual Property and  
Deputy Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov



\*102411688A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/03/2003

REEL/FRAME: 013914/0407  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

STAVRIANOPOULOS, JANNIS G.

DOC DATE: 05/09/2002

ASSIGNOR:

RABBANI, ELAZAR

DOC DATE: 05/14/2002

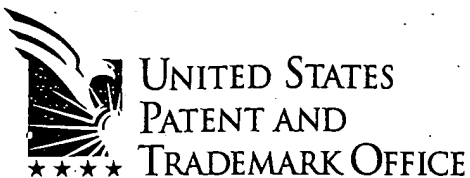
ASSIGNEE:

ENZO LIFE SCIENCES, INC.  
60 EXECUTIVE BOULEVARD  
FARMINGDALE, NEW YORK 11735-4716

SERIAL NUMBER: 10096075  
PATENT NUMBER:

FILING DATE: 03/12/2002  
ISSUE DATE:

TONYA LEE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



Deputy Under Secretary of Commerce For Intellectual Property and  
Deputy Director of the United States Patent and Trademark Office  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)



\*102411688B\*

AUTHORIZATION TO CHARGE ADDITIONAL FEES TO DEPOSIT ACCOUNT

AUGUST 28, 2003

TO: OFFICE OF FINANCE  
FROM: ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS  
SUBJECT: DEPOSIT ACCOUNT CHARGE(S)

CHARGE THE DEPOSIT ACCOUNT LISTED BELOW ADDITIONAL FEE(S) AS INDICATED BELOW. AUTHORIZATION TO CHARGE ADDITIONAL FEES HAS BEEN PROVIDED PER THE ATTACHED COVER SHEET, OR BY DIRECT CONTACT WITH THE CUSTOMER.

DEPOSIT ACCOUNT NUMBER: 051135  
PROPERTY NUMBER: 10096075

RECORDING FEES:

FEE CODE: 8021 AMOUNT: 40

IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

TONYA LEE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

| TRADEMARK SERVICE FEES:                                     | FEE CODE: |
|---|-----------|
| RECORDING FIRST MARK  | 8521      |
| RECORDATION SECOND AND<br>SUBSEQUENT MARK IN SAME DOCUMENT  | 8522      |
| LABOR CHARGES FOR SERVICES PER HOURS<br>OR FRACTION THEREOF | 8523      |
| UNSPECIFIED OTHER SERVICES                                  | 8524      |

PATENT SERVICE FEES:

RECORDING EACH PATENT ASSIGNMENT, 8021  
AGREEMENT, OTHER PAPER, PER PROPERTY  
LABOR CHARGES FOR SERVICES PER HOUR 8023  
(\$30) OR FRACTION THEREOF  
UNSPECIFIED OTHER SERVICES 8024

FORM PTO-1595

1-3-92  
(Modified)

FEB 03 2003

RECOF

04-07-2003

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of Patents

102411688

shd original documents or copy thereof.

## 1. Name of conveying party(ies):

First Inventor, Second Inventor, Third Inventor and Fourth  
Inventor Jannis G. Stavrianopoulos and Elazar RabbaniAdditional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

2-3-03

## 2. Name and address of receiving party(ies):

Name: Enzo Life Sciences, Inc.

Internal Address: \_\_\_\_\_

Street Address: 60 Executive BoulevardCity: Farmingdale State: NY Zip: 11735-4716Additional name(s) & address(es) attached? ☐ Yes ☐ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement ☐ Change of Name☐ Other \_\_\_\_\_Execution Date: First Inventor: 5/9/02; Second Inventor:  
5/14/02;

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OFFICE OF PETITIONS

## 4. Application number(s) or patent number(s): U.S., Patent Application Serial No. 10/096,075 filed March 12, 2002

If this document is being filed together with a new application, the execution date of the  
application is: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No5. Name and address of party to whom  
correspondence concerning  
document should be mailed:

Ronald C. Fedus, Esq.

Enzo Life Sciences, Inc.

c/o Enzo-Biochem, Inc., 527 Madison Avenue, 9<sup>th</sup> Floor,  
New York, New York 10022 (212) 583-01006. Total number of applications and patents: 1

## 7. Total fee (37 CFR 3.41).....\$40.00

☐ Enclosed☒ Deficiencies in fees are authorized to be charged  
to deposit account8. Deposit account number: 05-1135

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original  
document.Ronald C. Fedus

Name of Person Signing

[Signature]  
SignatureFEB 3 2003

Date

Total number of pages including cover sheet, attachments and document 3

CMB No. 0651-0011 (exp. 4/94)

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Mail documents to be recorded with required cover sheet information to:

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reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this  
burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the  
Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

pto-1559.cov

Attorney's Dock t N . ENZ-61

jml/forms/RecordationFormCoverSheet.PTO-1595.PatentsOnly

Attorney's Docket No.: ENZ-61

**ASSIGNMENT**

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned,

As a below named inventor, I hereby declare that:

JANNIS G. STAVRIANOPOULOS, and  
ELAZAR RABBANI

RESIDING AT:

99 South Clinton Avenue, Apt. 10C, Bayshore, N.Y. 11706,  
69 Fifth Avenue, Apt. 19A, New York, N.Y. 10003,

Hereby sell, assign and transfer to: Enzo Life Sciences, Inc., a corporation of the State of New York, having a principal place of business at: 60 Executive Boulevard, Farmingdale, New York 11735-4716, its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled:

**LABELING REAGENTS AND LABELED TARGETS,  
TARGET LABELING PROCESSES AND OTHER PROCESSES  
FOR USING SAME IN NUCLEIC ACID DETERMINATIONS  
AND ANALYSES**

(said application having been filed on March 12, 2002 and accorded U.S. Patent Application Serial No. 10/096,075)

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements:

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name, and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers, communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for

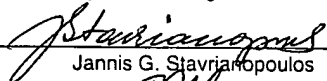
ENZ-61



Jannis G. Stavrianopoulos and Elazar Rabbani  
Serial No.:10/096,075  
Filed: March 12, 2002  
Page 2 (Assignment)

vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

  
Jannis G. Stavrianopoulos

5/9/02  
(date)

  
Elazar Rabbani

5/14/2002  
(date)

.....

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ENZ-61

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|               |  |   |                               |
|---------------|--|---|-------------------------------|
| Applicant(s): | Stavrianopoulos et al.                 | ) |                               |
|               |  | ) |                               |
| Divisional of |  | ) |                               |
| Serial No.:   | 10/096,075                             | ) | Group Art Unit: Not Yet Known |
|               |  | ) |                               |
| Filed:        | March 12, 2002                         | ) | Examiner: Not Yet Known       |
|               |  | ) |                               |
| For:          | LABELING REAGENTS AND LABELED TARGETS, | ) | Previous Group Art Unit: 1637 |
|               | TARGET LABELING PROCESSES AND OTHER    | ) | Prev. Ex'r: Jezia Riley       |
|               | PROCESSES FOR USING SAME IN NUCLEIC    | ) |                               |
|               | DETERMINATIONS AND ANALYSES            | ) |                               |
|               |  | ) |                               |

527 Madison Avenue (9<sup>th</sup> Floor)  
New York, NY 10022-4304  
January 23, 2004

**FILED BY EXPRESS MAIL**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**ASSOCIATE POWER OF ATTORNEY**

Sir:

I am the

☐ Applicant  
☒ Assignee of record of the entire interest

of the above-identified

☒ Application  
☐ Patent

Stavrianopoulos et al.

Serial No.: Not Yet Known

(Divisional of S.N. 10/096,075, filed March 12, 2002)

Filed: Herewith

Page 2 [Associate Power of Attorney] - January 23, 2004]

The following attorney is hereby appointed as associate attorney to prosecute and transact all business in the Patent and Trademark Office connected therewith.

Natalie Bogdanos

Reg. No. 51,480

Kindly continue to send all correspondence to:

Ronald C. Fedus, Esq.  
Enzo Life Sciences, Inc.  
c/o Enzo Biochem, Inc.  
527 Madison Avenue, 9<sup>th</sup> Floor  
New York, NY 10022-4304

Name of person signing Ronald C. Fedus

Title of person other than owner Corporate and Patent Counsel

Signature  Date JAN 23 2004

Ronald C. Fedus

Reg. No. 32,567

Attorney for Applicants

Corporation and Patent Counsel

and authorized to sign on behalf of Enzo Life Science, Inc.

Assignee of Record